

# 2.5V HCMOS / TTL COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR

ASFL2



RoHS  
Compliant



5.0 x 3.2 x 1.6 mm

## FEATURES:

- Compact and low in height
- Tri state function
- Suitable for high density SMT
- Tight stability option
- Seam sealed package
- Reflow capable

## APPLICATIONS:

- CCD clock for VTR camera
- Equipment connected to PC or PC cards
- Thin equipment
- Wireless communication

## STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N:	ASFL2
Frequency:	1.544 MHz to 110 MHz
Operating temperature:	-10°C to +70°C (see option)
Storage temperature:	- 50°C to + 125°C
Overall Frequency Stability:	±100 ppm max. (see option)
Supply voltage (Vdd):	2.5 Vdc ± 10%
Supply Current (Idd):	15 mA max for F < 50MHz
	25 mA max for F < 110MHz
Symmetry at 1/2 Vdd:	40/60% max. (see option)
Rise and Fall Times(Tr/Tf):	4 ns max.
Output load:	15pF
Output Voltage:	VOH = 0.9*Vdd min.
	VOL = 0.1*Vdd max.
Tri State Function:	"1" or open: Oscillation; VIH ≥ 1.6V
	"0": Output disabled (HI-Z); VIL < 0.8V
Start-up-time:	10 mS max.
Aging per year:	±5 ppm @25°C
Period jitter one sigma:	±25 pS max.
Disabled current:	15 uA typical

## OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

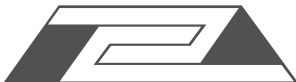
ASFL2 - Frequency -  -  -  -

Operating Temp. Range		Overall Frequency Stability		Duty Cycle		Packaging	
I	0°C to +50°C	Y(*)	±10ppm	Blank	40/60% @ 1/2Vdd	T	Tape and Reel 1,000pcs
D	-10°C to +60°C	J(**)	±20ppm				
E	-20°C to +70°C	R	±25ppm	S	45/55% @ 1/2Vdd		
F	-30°C to +70°C	K	±30ppm				
N	-30°C to +85°C	H	±35ppm				
L	-40°C to +85°C	B	±40ppm				
Contact ABRACON for		C	±50ppm				

Contact ABRACON for  
wider temperature range.

\* Available for 0°C to +50°C and -10°C to +60°C only.

\*\* Contact ABRACON for -40°C to +85°C.



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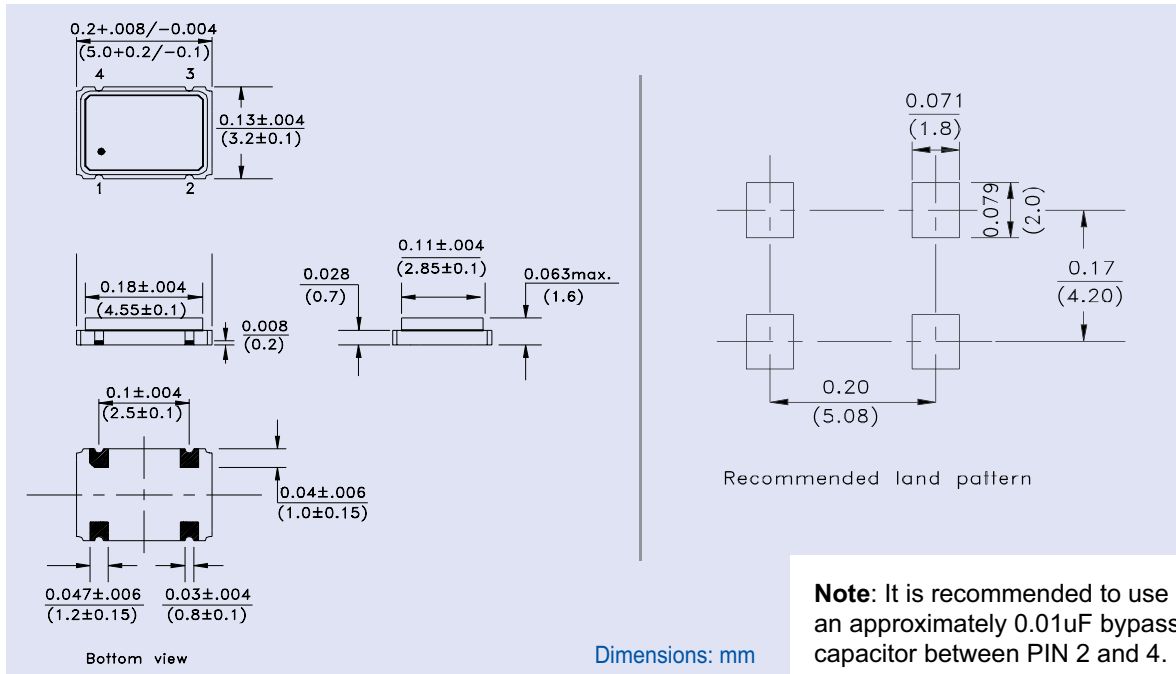


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## OUTLINE DRAWING:



PIN	FUNCTION
1	Tri-State
2	GND
3	Output
4	VDD

## TAPE & REEL:

